### Work Order ID 73543

Friday, September 02, 2011 8:53:31 AM

Item ID:

D3436-044

**Revision ID:** 

Item Name:

Step RH

**Start Date:** 

Start Qty: 2.00 9/2/2011

Required Date: 9/16/2011

**Req'd Qty:** 2.00





Setup Start

Stop



Page 1

**Cust Item ID:** 

**Customer:** 

Reference:

**Approvals:** 

Process Plan:

QC:

Date: Date: Tooling:

0.00

Accept

SPC (Y/N):

Date:

Date:

Run Start

Stop

Sequence ID/ **Work Center ID**  Operation Description

Revision Nbr

Set Up/ **Run Hours**  Tool ID

Tool # Plan Code

Accept ~ Reject Qty Qty

Reject

EL 11-9-8 (A)

Insp. Number Stamp

**Draw Nbr** 

D3436

Large Fab

Rev A

Large Fab

Large Fab

Memo 0.00

Weld bushings D3436-5 and clamp D3436-1 using welding Jig DT8772 and Dwg D3436||Dwg Rev:

Qtyll Part Number Description L: A/REIN/ACL

4130 Welding Rod | M 100075

Weld right step D3436-4 using welding Jig DT8773 and Dwg D3436-1 Dwg Rev:

Qty!! Part Number Description!! A/R!::N/A:::

Weld cap D3436-7 as per Dwg D3436: Dwg Rev: Qty!! Part Number!! Description

A/R N/A

4130 Welding Rod

W/O:			W	ORK ORDER CHANG	ES			. /	
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA	A:	Date:	
		esolution:							
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NCF	R)		,	
DATE	STEP	Description of NC	Description of NC Corrective Action			Verific		Approval	Approval
DAIL	JILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section	on C	Chief Eng	QC Inspector
				•					
	<u> </u> -								
<u> </u>				•					
		·							
				•					
					`-,				

### Work Order ID 73543

Friday, September 02, 2011 8:53:31 AM



Item ID:

D3436-044

Accept

Setup Start

Stop



**Revision ID:** 

**Start Date:** 

Step RH Item Name:

Required Date: 9/16/2011

9/2/2011

QC:

Start Qty: 2.00

Req'd Qty: 2.00

**Cust Item ID:** 

**Customer:** 

Reference:

**Approvals:** 

**Process Plan:** 

Date:

Date:

Tooling:

0.00

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

Date:

Run Start

Stop

Insp.

Sequence ID/ Work Center ID

110

Jeaspa Bandsaw

Bandsaw

BAND SAW

Operation

Description

0.00

1-Slit part D3436-041 on bandsaw as per Dwg D3436

2- deburr

Memo

**Tool ID** 

Tool # Plan

Code

Accept Qty Qty

Reject

Reject Number

Stamp

120

Quality Control

QC9- Inspect visual per QSI004- Fusion Welds

0.00

0.00

BE11/09/08

QC5- Inspect part completeness to step on W/O

Dicorlog

130

Quality Control

Memo

		— - <del></del>							
W/O:	T		WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAI	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						<u> </u>			
									:
Part No	•	PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
	Re	esolution:	Disposition	:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	₹)			
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	Sign	& Secti	cation on C	Approval Chief Eng	Approval QC Inspector
			Chief Eng	Chief Eng	Date				
,									
							· · · · · · · · · · · · · · · · · · ·		
					``.				

# Work Order ID 73543 Friday, September 02, 2011 8:53:31 AM

Item ID:

D3436-044

**Revision ID:** 

Item Name: Step RH

**Start Date:** 9/2/2011

QC:

Start Qty: 2.00 **Required Date: 9/16/2011** 

Req'd Qty: 2.00

Accept



Setup Start

Stop



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

**Process Plan:** 

Date:

Date:

Tooling: SPC (Y/N): Date:

Date:

Start

Stop

Sequence ID/ **Work Center ID** 

**Operation** 

Description

Set Up/ **Run Hours** 

Tool ID

Tool # Plan Qty Code

Reject Accept Qty

Run

Reject Number

Insp. Stamp

140

Powdercoat

Powder Coating

White Gloss(Ref:4.3.5.2) per OSI005 4.3-Steel

0.00

\*\*\*Apply black anti-skid paint as per Dwg D3436 and QSI 005 4.4\*\*\*M. 118313

2X & Modellog/18 >BR 11-9-12. 224 B 11-9-12

150

QC

QC3- Inspect Part Finish

Memo

0.00

0.00

Quality Control

155

Small Fab

Small Fab

Bond pads per dwg and QSI 015

Memo

0.00

0.00

Dail Aci	ospace	Elu							·
W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CHAI	IGE	Ву	Date	Qty	Approvai Chief Eng / Prod Mgr	Approval QC Inspector
Dowt No.		PAR #:	·		NOD. V.	N	<u></u>	<b>D</b> -4	
Part No									
	R	esolution:						Date: _	
NCR:		\	WORK ORDE	ER NON-CONFORMA	NCE (NCF	<b>R</b> )			
- · · ·		Description of NC	Corrective Action		n B	Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti	ion C	Chief Eng	QC Inspector
1									<u> </u>

### Work Order ID 73543

Friday, September 02, 2011 8:53:31 AM

Item ID:

D3436-044

**Revision ID:** 

Item Name:

Step RH

**Start Date:** 

9/2/2011

Req'd Qty: 2.00 **Required Date: 9/16/2011** 

Start Qty: 2.00

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

SPC (Y/N):

Tooling:

Set Up/

0.00

Accept



Setup Start



Stop

**Cust Item ID:** 

Date:

Date:

**Customer:** 

Run

Start

Stop



Sequence ID/ **Work Center ID** 

160

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Memo

**Run Hours** 

Dul08/12

Tool ID

Tool # Plan

Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

170

Packaging

Packaging

Identify as per dwg & Stock Location:

Memo

Memo

0.00

0.00

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

11/9/13 HJ

Dart Ae	rospace	e Ltd								1
W/O:		i	W	ORK ORDER CHANGE	ES					
DATE	STEP	PRO	CEDURE CH	ANGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
										:
Part No	:	PAR #:	Fault Ca	tegory:	NCR:	Yes N	o DQA:	:	_ Date: _	
	R	esolution:	Disposit	ion:	QA: N	/C Clo	sed:		Date: _	
NCR:		V	WORK OR	DER NON-CONFORMA	NCE (I	NCR)				
		Description of NC	Description of NC Corrective Action		on B		Verifica	ition	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date			Chief Eng	QC Inspector
					l		1			

NCR:			E (NCH)					
		Description of NC		Corrective Action Section B		Verification	Approval	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	
<del></del>								
							·	
					* *			

# **Picklist Print**

Friday, September 02, 2011 8:53:28 AM

Work Order ID: 73543

Parent Item:

D3436-044

Parent Item Name: Step RH



Start Date: 9/2/2011

Required Date: 9/16/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP	A: 05.05.11	l New Issue KJ	/JLM										
	eplacement em ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3436-5  Bushing		Manufactured	No			100	Each	28.0000	4	8	# 3	<del>&gt;</del> /	11-9-8
, ,				Location		Loc Q	<u>ty</u>	Loc Code					
77	36021	49			6592		20 20		_				
				WA020	4065		8		_		-		
D3436-7		Manufactured	No	V	1003	100	Each	46.0000	1	2 EL		-9-	8
·				<u>Location</u>		Loc Q	<u>ty</u>	Loc Code					

Manufactured

WA021 46 46 100 12.0000 Each

Loc Qty Loc Code Location GA 56830 69599 ST053

D3436-9

66567

<b>D</b> 41.17.0.	pa									
W/O:			W	ORK ORDER CH	ANGES					
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·								<b>:</b>
										,
Part No	:	PAR #:	Fault Cat	egory:	NC	R: Yes	No <b>DQ</b>	A:	Date: _	
	R	esolution:	Dispositi	on:	QA	: N/C Cld	sed:		Date: _	
NCR:			WORK ORE	DER NON-CONFO	RMANCI	E (NCR	) .			
DATE	STEP	Description of NC		Corrective Action	Section B		Verific	cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Descrip Chief Eng	tion 	Sign & Date	Sect	ion C	Chief Eng	QC Inspector
									·	
									•	
[						14.				

Friday, September 02, 2011 8:53:28 AM

Work Order ID: 73543

Parent Item:

D3436-044

Parent Item Name: Step RH



Start Date: 9/2/2011

Required Date: 9/16/2011

Start Qty: 2.00

Required Qty: 2.00

2

D3436-4

Right Step

73545 XX

Manufactured

No

Manufactured

Location WA021

51786

Loc Oty 2 2

100

155

Each 44.0000

Each

D3436-1

Clamp

Location

WA021

Loc Qty 44

44

Loc Code

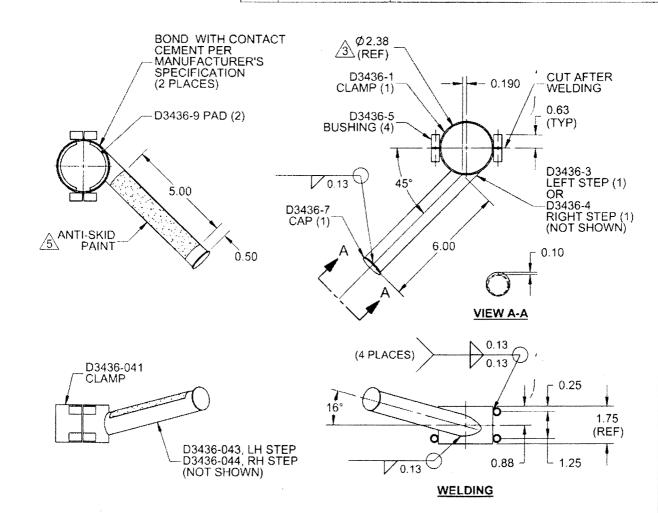
2.0000

Loc Code

	. оорио									
W/O:			WO	RK ORDER CH	ANGES					
DATE	STEP	PRO	CEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·								
Part No		PAR #: esolution:								
	n	<b>~</b>							Date: _	
NCR:		\	WORK ORDE	ER NON-CONFO	RMANCE	E (NCR	)			
		Description of NC		Corrective Action	Section B		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Descrip Chief Eng	tion	Sign & Date		tion C	Chief Eng	QC Inspector
				·						



DESIGN N	√ <b>1</b> B	DRAWN BY MB	DARI AERUSPACE LID					
CHECK	ED#	APPROVED #	DRAWING NO. D3436	REV. A SHEET 1 OF 4				
DATE	05.0	)4.28	MAINTENANCE STEP	SCALE 1:4				
A 05.04.28			NEW ISSUE					



#### NOTES:

1) POSITION PARTS AS PER JIGS DT8772 AND DT8773
2) WELD PER DART QSI 004
3) FILLET BOTH TOP AND BOTTOM EDGES OF CLAMP ALONG 2.38 I.D. SECTION TO 0.03 RADIUS TO PREVENT SCORING AND SCRATCHING OF SKID CROSS TUBE

4) FINISH: POWDER COAT WHITE GLOSS (4.3.5.2) PER DART QSI 005 4.3 5) APPLY BLACK ANTI-SKID PAINT AS SHOWN PER DART QSI 005 4.4 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

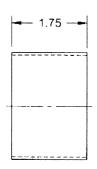
6) TOLERANCES ARE PER DART OS 7) ALL DIMENSIONS ARE IN INCHES

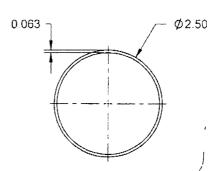
#### RELEASE 27 05.05





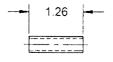
DESIGN MB	DRAWN BY MB	DART AEROSPAC HAWKESBURY, ONTARIO	
CHECKED	APPROVED #	DRAWING NO. '	REV. A SHEET 2 OF 4
DATE		TITLE	SCALE
05.0	04.28	MAINTENANCE STEP	1:2

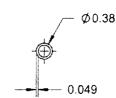




#### D3436-1 CLAMP

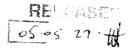
1) MATERIAL: AISI 4130N STEEL TUBING PER MIL-T-6736, AMS 6371, 6360, 6361, 6362, 6373 OR 6374 (REF. DART SPEC. M4130N-T2500W063)





#### **D3436-5 BUSHING**

2) MATERIAL: AISI 4130N STEEL TUBING PER MIL-T-6736, AMS 6371, 6360, 6361, 6362, 6373 OR 6374 (REF. DART SPEC. M4130N-T0375W049)



### D3436-1/ -5, GENERAL NOTES:

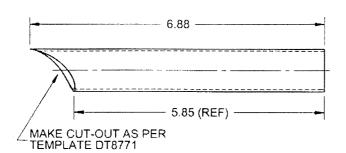
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 4) ALL DIMENSIONS ARE IN INCHES 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

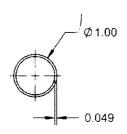
#### COPYRIGHT © 2005 BY DART AEROSPACE LTD.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



DESIGN MB	DRAWN BY MB	DART AEROSPAC HAWKESBURY, ONTARIO, C	
CHECKED	APPROVED	DRAWING NO.	REV. A
TRI	19	D3430	SHEET 3 OF 4
DATE	•	TITLE	SCALE
05.0	04.28	MAINTENANCE STEP	1:2

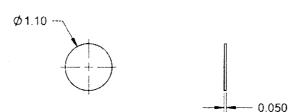




### **D3436-3 LEFT STEP**

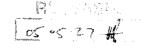
(D3436-4 RIGHT STEP - OPPOSITE, NOT SHOWN)

1) MATERIAL: AISI 4130N STEEL TUBING PER MIL-T-6736, AMS 6371, 6360, 6361, 6362, 6373 OR 6374 (REF. DART SPEC. M4130N-T1000W049)



#### D3436-7 CAP

MATERIAL: AISI 4130N STEEL SHEET PER MIL-S-18729, AMS6350 OR AMS 6351 (REF. DART SPEC. M4130N-S050)



### **D3436-3/-7, GENERAL NOTES:**

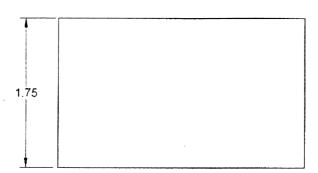
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 4) ALL DIMENSIONS ARE IN INCHES 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

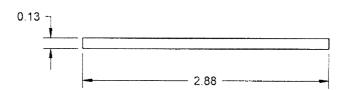
COPYRIGHT © 2005 BY DART AEROSPACE LTD.

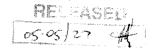
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD



DESIGN MB	DRAWN BY MB		EROSPAC BURY, ONTARIO, C	
CHECKED	APPROVED #	DRAWING NO.	,	REV. A SHEET 4 OF 4
DATE 05.6	04.28	TITLE MAINTENAN	CE STEP	SCALE 1:1







# **D3436-9 PAD**

#### NOTES:

- 1) MATERIAL: 60 DUROMETER NEOPRENE SHEET, 1/8" THICK (REF. DART SPEC. M-NEO60-S.125)
  2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 3) ALL DIMENSIONS ARE IN INCHES

COPYRIGHT © 2005 BY DART AEROSPACE LTD.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.